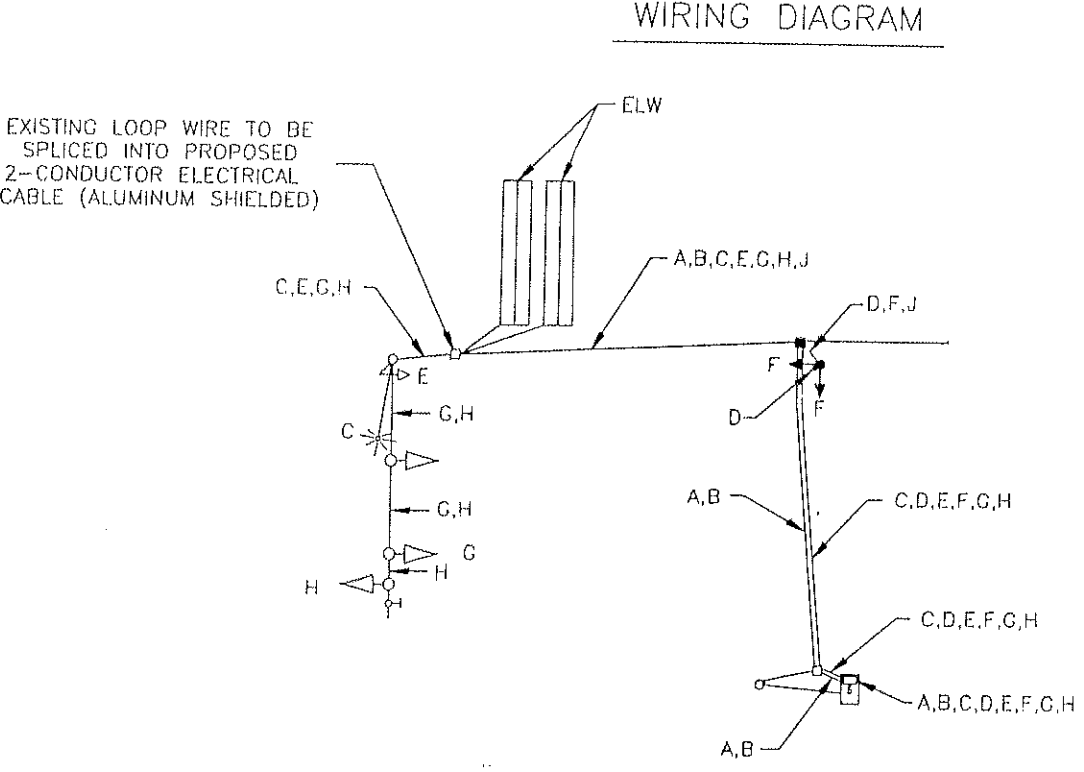


F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

WIRING KEY	
A	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (ALUMINUM SHIELDED) (TO BE SPLICED INTO EXISTING LOOP WIRE)
C	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TYPE THHN
D	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
G	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
H	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J	STRANDED BARE COPPER WIRE (NO. 8 A.W.G.)



EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE M.S.H.A. AND INSTALLED BY THE CONTRACTOR

QUANTITY	SPEC. SECTION	DESCRIPTION
4 EA	801	1"x 40" Anchor bolts

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	SPEC. SECTION	DESCRIPTION
Lump Sum	104	Mobilization
Lump Sum	104	Maintenance of traffic.
150 S.F.	104	Temporary traffic sign.
2 U.D.	104	Flashing arrow panels.
10 L.F.	805	Furnish and install 2" polyvinyl chloride electrical conduit (Schedule 40) (trenched).
25 L.F.	805	Furnish and install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
80 L.F.	805	Furnish and install 3" polyvinyl chloride electrical conduit (Schedule 80) (pushed).
1 EA	811	Furnish and install handhole (frame and cover).
140 L.F.	810	Furnish and install 2-conductor electrical cable (No. 14 A.W.G.)
420 L.F.	810	Furnish and install 2-conductor electrical cable (No. 14 A.W.G.) (aluminum shielded).
285 L.F.	810	Furnish and install 2-conductor electrical cable (No. 12 A.W.G.) Type THHN
240 L.F.	810	Furnish and install 3-conductor electrical cable (No. 14 A.W.G.)
150 L.F.	810	Furnish and install 5-conductor electrical cable (No. 14 A.W.G.)
610 L.F.	810	Furnish and install 7-conductor electrical cable (No. 14 A.W.G.)
140 L.F.	810	Furnish and install stranded bare copper wire (No. 8 A.W.G.)
1 EA		Remove existing handhole.
0.5 C.Y.		Furnish and install concrete foundation
1 EA		Relocate pedestal pole and all attached equipment
80 L.F.		Furnish and install 12" width (white) preformed pavement marking tape, crosswalk.
1 EA		Relocate existing ground mounted sign
50 L.F.		Remove existing crosswalk tape.
1 EA		Ground rod

MAINTENANCE OF TRAFFIC SPECIAL PROVISIONS

The following Traffic Control Standard Numbers shall be referenced for the project.

Standard 105.00	Standard 105.01
Standard 105.02	Standard 105.03
Standard 105.102	Standard 105.202
Standard 105.106	Standard 105.204
Standard 105.108	

CATEGORY 800

UTILITIES

SECTION 875-UTILITIES

The following contact persons for District #7 are as follows:

Mr. Robert Fisher
District Engineer
Phone: (410) 694-2145

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (410) 694-2595

Mr. Leon Kerns
Assistant District Engineer - Maintenance
Phone: (410) 694-1966

Mr. Jim Brown
Assistant District Engineer - Utility
Phone: (410) 694-2145

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 26 and Wal-Mart Entrance in Eldersburg, Carroll County. The modification is necessary due to the addition of a deceleration lane on west-bound MD 26 at the Wal-Mart Entrance. MD 26 runs in an east-west direction.

II. INTERSECTION OPERATION

There is no functional changes in the intersection operation.

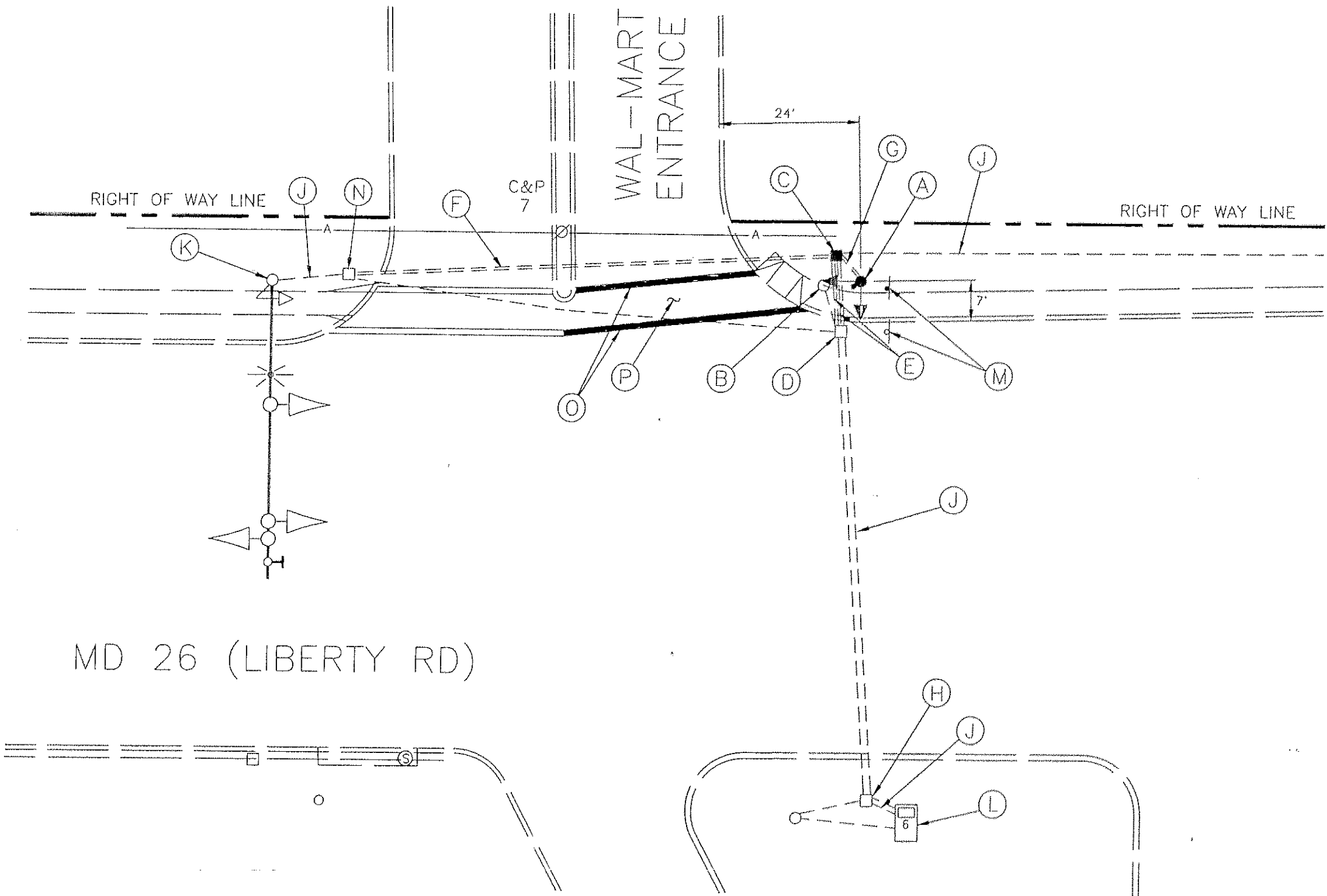
III. METHOD OF INSTALLATION

The contractor shall complete the push under the Wal-Mart Entrance and install the proposed handhole and pedestal pole foundation. The area around the existing handhole shall be excavated and all conduits exposed. The signal shall be turned off as directed by the inspector with the pedestal pole relocated, appropriate cables pulled back, conduits cut and extended into the proposed handhole. The affected equipment shall then be re-wired.

IV. SPECIAL NOTES

- All field wiring to the existing controller cabinet shall be terminated to the appropriate controller cabinet connectors by the Contractor and labeled. All other controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two (72) hours in advance of intended work.

NOTE:
MD 26 IS ASSUMED
TO RUN IN AN EAST-WEST
DIRECTION.

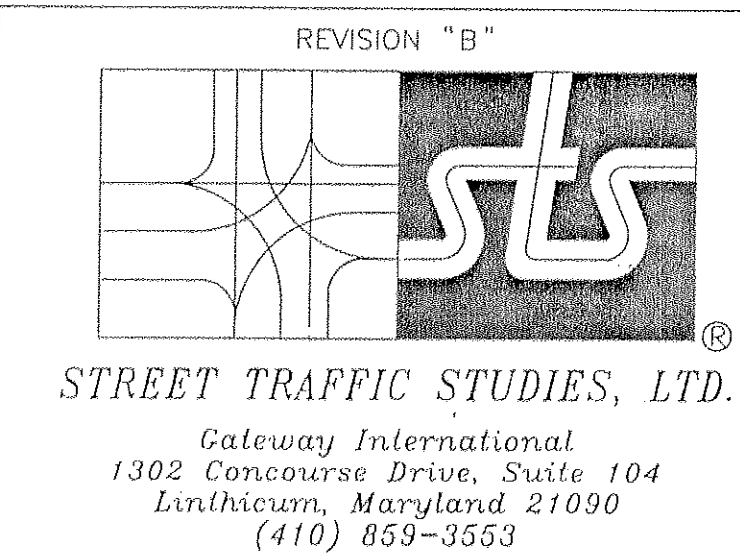


CONSTRUCTION DETAILS

- Install foundation for pedestal pole with 1-2", 90 degree polyvinyl chloride bend (schedule 40). Relocate existing pedestal pole, pedestrian signal heads, pushbutton and sign.
- Relocate pedestal pole. (See Construction Detail "A")
- Install Handhole.
- Remove existing handhole, extend existing 2" PVC conduits crossing MD 26 into proposed handhole. Cap and abandon all other existing conduits. (See General Notes and Wiring Diagram)
- Install 2" polyvinyl chloride electrical conduit (schedule 80) (trenched). (See Construction Detail "D")
- Install 3" polyvinyl chloride electrical conduit (schedule 80) (pushed).
- Install 2" polyvinyl chloride electrical conduit (schedule 40) (trenched).
- Use existing handhole.
- Use existing conduit.
- Use existing 27' steel pole and 60' mast arm. Rewire existing traffic signal heads, pedestrian signal head and luminaire.
- Use existing base mounted cabinet and controller.
- Relocate existing ground mounted R10-6 sign as shown.
- Use existing handhole and splice 2-conductor electrical cable (aluminum shielded) to existing loop wire. Cap and abandon existing conduit after re-wiring mast arm.
- Install 12" white crosswalk tape across inbound lane of driveway centered on proposed handicap ramp and meeting existing crosswalk at median nose.
- Remove existing section of crosswalk. (Not shown on plan)

LEGEND OF UNDERGROUND
AND OVERHEAD UTILITIES

AERIAL CABLE	—A—A—A
ELECTRIC	—E—E—E
TELEPHONE	—T—T—T
GAS	—G—G—G
SEWER	—S—S—S
WATER	—W—W—W
CABLE TV	—TV—TV—TV



3127.DWG

REVISIONS		APPROVALS	
		ASST. DIVISION CHIEF	
		ASST. DISTRICT ENGINEER, TRAFFIC	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, OFFICE OF TRAFFIC AND SAFETY	
1-2-97	RELOCATE HANDHOLE AND PED POLE AND REWIRE SHA NO. BW922MB2		
R.R.Z.			
A	10/21/96 - REVISE CONDUIT RUN AND CUT WB MD 26 LOOPS. SHA NO. BW922MB2		
T.M.S.			

MDOT - STATE HIGHWAY ADMINISTRATION Office of Traffic and Safety TRAFFIC ENGINEERING DESIGN DIVISION			
DRAWN BY: R.V.B.	MD 26 (LIBERTY RD) AT WALMART ENTRANCE		COUNTY: CARROLL
DES. BY: R.V.B.	LOG MILE # 06002610.24		
CHK. BY:	DATE: 1/12/96	F.A.P. NO.	TS/STD. NO.
	SCALE: 1"=20'	S.H.A. NO. BW 831-802-712	3562 B
			SHEET NO. 1 OF 1

UN 0 3 035